

**Commonwealth of Kentucky
Environmental and Public Protection Cabinet
Department for Environmental Protection
Division for Air Quality
803 Schenkel Lane
Frankfort, Kentucky 40601
(502) 573-3382**

Draft

**AIR QUALITY PERMIT
Issued under 401 KAR 52:030**

Permittee Name: Hydro Aluminum North America, Inc.
Mailing Address: 5801 Riverport Road, Henderson KY 42420

Source Name: Hydro Aluminum North America, Inc.
Mailing Address: 5801 Riverport Road
Henderson, Kentucky

Source Location: Same as above

Permit Number: F-06-035
Source A. I. #: 1817
Activity #: APE20050002
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**Application
Complete Date:** June 5, 2005
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**John S. Lyons, Director
Division for Air Quality**

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SECTION A - PERMIT AUTHORIZATION

Pursuant to a duly submitted application the Kentucky Division for Air Quality hereby authorizes the operation of the equipment described herein in accordance with the terms and conditions of this permit. This permit has been issued under the provisions of Kentucky Revised Statutes Chapter 224 and regulations promulgated pursuant thereto.

The permittee shall not construct, reconstruct, or modify any affected facilities without first submitting a complete application and receiving a permit for the planned activity from the permitting authority, except as provided in this permit or in 401 KAR 52:030, Federally-enforceable permits for non-major sources.

Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by this Cabinet or any other federal, state, or local agency.

SECTION B - EMISSION POINTS, EMISSIONS UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS

01 (01) Aluminum Reverberatory Melting Furnace

Description: Batch Reverberatory Furnace – natural gas fired unit
Maximum rated capacity: 40 mmBtu/hr
Construction commenced: October 21, 1999
Control equipment: Particulate emissions are controlled by a baghouse system.
Low NOx regenerative burners.

APPLICABLE REGULATIONS:

For the Aluminum Reverberatory Melting Furnace:

- a. Regulation 401 KAR 59:010 applies to the particulate and visible emissions.
- b. Regulation 401 KAR 63:002 Section 3(eee) (40 CFR 63 Subpart RRR) applies to the dioxins/furans (D/F) emissions.

1. Operating Limitations:

- a. The annual aluminum scrap charge shall not exceed 130,000 tons per 12-month rolling total, of which the painted scrap content shall not exceed 30% - Self-imposed to preclude 401 KAR 51:017, Prevention of Significant deterioration of air quality, major source classification pursuant to 401 KAR 52:020, and major source requirements in 40 CFR 63 Subpart RRR.
- b. Pursuant to 40 CFR 63.1506, the following additional operating requirements apply to D/F emissions:
 - i. 40 CFR 63.1506 (b)(1) and (2) – Labeling.
 - ii. 40 CFR 63.1506 (c) – Capture/collection systems.
 - iii. 40 CFR 63.1506 (d) – Feed/charge weight.
 - iv. 40 CFR 63.1506 (n)(2) – Group 1 furnace without add-on air pollution control devices.
 - v. 40 CFR 63.1506 (p) – Corrective action.

2. Emission Limitations:

- a. Particulate emissions shall not exceed the limit calculated by the following formula [401 KAR 59:010, Section 3(2)]:

$$E = 3.59 P^{0.62}$$

P = Process weight in tons per hour

E = Emission rate in pounds per hour

- b. Visible emissions shall not exceed 20% opacity [401 KAR 59:010, Section 3(2)].
- c. Pursuant to §63.1501(i)(3): Dioxin/furan (D/F) emissions shall not exceed 0.00021 grains of D/F TEQ/ton of charge or feed. The D/F emissions therefore shall not exceed 3.0×10^{-8} lb/ton charge.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

Compliance Demonstration Method:

- a. Opacity Limits: See the **Specific Monitoring, Recordkeeping, and Reporting Requirements**, below.
- b. Pursuant to §63.1513(b), compliance with the D/F emission limit shall be calculated using Equation 7 as follows:

$$E = \frac{C \times Q \times K_1}{P}$$

E = Emission rate of D/F, lb/ton of feed;

C = Concentration of D/F, gr/dscf;

Q = Volumetric flow rate, dscf/hr;

K1 = Conversion factor 1 lb/ 7000 gr; and

P = Production rate, ton/hr.

- c. Pursuant to §63.1513(e)(3), the mass-weighted D/F emissions shall be calculated using Equation 11 as follows:

$$E_{CD/F} = \frac{\sum_{i=1}^n (E_{tiD/F} \times T_{ti})}{\sum_{i=1}^n (T_{ti})}$$

$E_{CD/F}$ = Mass-weighted D/F emissions for the secondary aluminum processing unit;

$E_{tiD/F}$ = Measured D/F emissions for individual emission unit i;

T_{ti} = Average feed rate for individual emission unit i during the operating cycle or performance test period; and

n = Number of emission units in the secondary aluminum processing unit.

- d. Particulate emissions (lbs/hr)
= [(Monthly raw material usage rate x Emission factor listed in Kentucky Emissions Inventory) / Hours of operation per month]

3. Testing Requirements:

- a. The permittee shall perform stack testing in accordance with 401 KAR 59:005, Section 2(2), 401 KAR 50:045, Section 1 and 40 CFR 63, Subpart RRR, utilizing the methods in Appendix A to 40 CFR 60, as described in 40 CFR 63.1511(c).
- b. The testing required by **Testing Requirements, 3.a.**, shall be repeated at least once every five (5) years from the date of the prior (initial) performance test. The performance test shall be performed to demonstrate compliance with each applicable emission, equipment, work practice, or operational standard for each affected source and emission unit [40 CFR 63.1511(e)].
- c. Dioxin/Furans emissions shall be tested following procedures specified in:
 - i. 40 CFR 63.1511 – Performance test/compliance demonstration general requirements:
 - A. 63.1511(a) – Site-specific test plan;

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- B. 63.1511(b) – Initial performance test;
- C. 63.1511(c) – Test methods;
- D. 63.1511(d) – Alternative methods;
- E. 63.1511(f) – Testing of representative emission units; and
- F. 63.1511(g) – Establishment of monitoring and operating parameters.
- ii. 40 CFR 63.1512 – Performance test/compliance demonstration requirements and procedures:
 - A. 63.1512(e)(1) – Group 1 Furnace without add-on air pollution control devices;
 - B. 63.1512(j)(2) – Secondary aluminum processing unit (D/F only);
 - C. 63.1512(k) – Feed/charge weight measurement;
 - D. 63.1512(r) – Labeling; and
 - E. 63.1512(s) – Capture/collection system.
- d. In order to demonstrate compliance with PM and HAP limits, the permittee shall perform stack testing in accordance with 401 KAR 59:005, Section 2(2), 401 KAR 50:045, Section 1, for determination of PM and HCl emissions, once during the permit term.
- e. Refer to Section D.

4. Specific Monitoring Requirements:

- a. The permittee shall perform Biweekly qualitative visual observations of the opacity of emissions from the baghouse system.
- b. The permittee shall perform a Method 9 test for opacity on the applicable Main Bag Filter within 24 hours of observing visible emissions during any visual observations [401 KAR 59:010 (4)(5)].
- c. To provide reasonable assurance that the PM, HAP and D/F emission limitations are being met, the permittee shall monitor the daily amounts and types of process materials added and daily hours of operation.
- d. In addition, monitoring procedures specified in 40 CFR 63.1510 apply to D/F emissions:
 - i. 63.1510(b) – Operation, maintenance, and monitoring (OM&M plan (except (4)(ii)));
 - ii. 63.1510(c) – Labeling;
 - iii. 63.1510(d) – Capture/collection system;
 - iv. 63.1510(e) – Feed/charge weight;
 - v. 63.1510(o) – Group 1 Furnace without add-on air pollution control devices (except (4) through (6));
 - vi. 63.1510(s) – Site-specific requirements for secondary aluminum processing units;
 - vii. 63.1510(t) – Secondary aluminum processing unit;
 - viii. 63.1510(u) – Secondary aluminum processing unit compliance by individual emission unit demonstration;
 - ix. 63.1510(w) – Alternative monitoring methods;

The following apply if the OM&M Plan includes scrap inspection as a means of monitoring and compliance demonstration:

- x. 63.1510(p) – Scrap inspection program for Group 1 Furnace without add-on air pollution control devices;
- xi. 63.1510(q) – Monitoring of scrap contamination level by calculation method for

Group 1 Furnace without add-on air pollution control devices.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

e. Refer to Section F for specific and/or general monitoring requirements.

5. Specific Recordkeeping Requirements:

- a. The permittee shall maintain a log of the dates and times of each qualitative visible emission observation and each Method 9 test and either the results of the test, or reasons for not performing a Method 9 test.
- b. In addition, recordkeeping requirements specified in 40 CFR 63.1517 (a) and (b)(7), (8), and (13) through (17) apply to D/F emissions:
- c. Refer to Section F for specific and/or general recordkeeping requirements.
- d. See the Specific Monitoring Requirements above.

6. Specific Reporting Requirements:

- a. Any exceedance of the opacity, PM, HAP, or D/F emission limitations as stated in this permit shall be reported to the Division as specified in Section F(6) of this permit.
- b. In addition, reporting requirements specified in 40 CFR 63 Subpart RRR apply to D/F emissions:
 - i. 40 CFR 63.1515 – Notifications:
 - A. 63.1515(a)(1) through (6) – Initial notifications;
 - B. 63.1515(b)(1), (3) through (5), and (9) and (10) – Notification of compliance status report
 - ii. 40 CFR 63.1516 – Reports:
 - A. 63.1516(a) – Startup, shutdown, and malfunction plan/reports;
 - B. 63.1516(b)(1) and (3) – Excess emissions/summary report;
 - C. 63.1516(c) - Annual compliance certifications.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

02 (02) Aluminum Holding Furnace

Description: Batch holding furnace natural gas fired unit
Maximum rated capacity: 18 mmBtu/hr
Construction commenced: October 21, 1999
Control Equipment: Particulate emissions are controlled by a baghouse system.
Low NOx cold air burners.

APPLICABLE REGULATIONS:

Regulation 401 KAR 59:010 applies to the particulate and visible emissions.

1. Operating Limitations:

None

2. Emission Limitations:

- a. Particulate emissions shall not exceed the limit calculated by the following formula [401 KAR 59:010, Section 3(2)]:

$$E = 3.59 P^{0.62}$$

P = Process weight in tons per hour

E = Emission rate in pounds per hour

- b. Visible emissions shall not exceed 20% opacity [401 KAR 59:010, Section 3(2)].

Compliance Demonstration Method:

- a. Opacity Limits: See the **Specific Monitoring, Recordkeeping, and Reporting Requirements**, below.

- b. Particulate emissions (lbs/hr)
= [(Monthly raw material usage rate x Emission factor listed in Kentucky Emissions Inventory) / Hours of operation per month]

3. Testing Requirements:

- a. In order to demonstrate compliance with PM and HAP limits, the permittee shall perform stack testing in accordance with 401 KAR 59:005, Section 2(2), 401 KAR 50:045, Section 1, for determination of PM and HCl emissions, once during the permit term.
b. See Section D.

4. Specific Monitoring Requirements:

- a. The permittee shall perform daily qualitative visible emission observation on the baghouse system.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- b. The permittee shall perform a Method 9 test for opacity on the applicable Main Bag Filter within 24 hours of observing visible emissions during any Qualitative observation[401 KAR 59:010 (4)(5)].
- c. To provide reasonable assurance that the PM and HAP emission limitations are being met, the permittee shall monitor the daily amount of process materials added and daily hours of operation.
- d. Refer to Section F for specific and/or general monitoring requirements.

5. Specific Recordkeeping Requirements:

- a. The permittee shall maintain a log of the dates and times of each qualitative visible emission observation and each Method 9 test and either the results of the test, or reasons for not performing a Method 9 test.
- b. The permittee shall maintain a log of the dates and times of each Method 9 test and either the results of the test, or reasons for not performing a Method 9 test.
- c. Refer to Section F for specific and/or general recordkeeping requirements.
- d. See Specific Monitoring Requirements above.

6. Specific Reporting Requirements:

Any exceedance of the opacity, PM, or HAP emission limitations as stated in this permit shall be reported to the Division as specified in Section F(6) of this permit.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)**03 (03, 04, 05) Three Homogenizing Furnaces**

Description: Three homogenizing furnace natural gas fired units
Maximum rated capacity: 15.5 mmBtu/hr each
Construction commenced: October 21, 1999
Control Equipment: None

APPLICABLE REGULATIONS:

Regulation 401 KAR 59:010 applies to the particulate and visible emissions.

1. Operating Limitations:

None

2. Emission Limitations:

- a. Particulate emissions shall not exceed the limit calculated by the following formula [401 KAR 59:010, Section 3(2)]:

$$E = 3.59 P^{0.62}$$

P = Process weight in tons per hour

E = Emission rate in pounds per hour

- b. Visible emissions shall not exceed 20% opacity [401 KAR 59:010, Section 3(2)].

Compliance Demonstration Method:

- a. Opacity Limits: See the **Specific Monitoring, Recordkeeping, and Reporting Requirements**, below.
- b. Particulate emissions (lbs/hr)
= [(Monthly raw material usage rate x Emission factor listed in Kentucky Emissions Inventory) / Hours of operation per month]

3. Testing Requirements:

- a. In order to demonstrate compliance with PM limits, the permittee shall perform stack testing in accordance with 401 KAR 59:005, Section 2(2), 401 KAR 50:045, Section 1, for determination of PM emissions, once during the permit term.
- b. See Section D.

4. Specific Monitoring Requirements:

- a. The permittee shall perform daily qualitative visible emission observation on the baghouse system.
- b. The permittee shall perform a Method 9 test for opacity on the applicable Main Bag Filter within 24 hours of observing visible emissions during any qualitative observation [401 KAR 59:010 (4)(5)].

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- c. To provide reasonable assurance that the PM emission limitations are being met, the permittee shall monitor the daily amount of process materials added and daily hours of operation.
- d. Refer to Section F for specific and/or general monitoring requirements.

5. Specific Recordkeeping Requirements:

- a. The permittee shall maintain a log of the dates and times of each qualitative visible emission observation and each Method 9 test and either the results of the test, or reasons for not performing a Method 9 test.
- b. Refer to Section F for specific and/or general recordkeeping requirements.
- c. See Specific Monitoring Requirements above.

6. Specific Reporting Requirements:

Any exceedance of the opacity or PM emission limitations as stated in this permit shall be reported to the Division as specified in Section F(6) of this permit.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

04 (06) Melting and Holding Furnace Doors

Description: Fugitive emissions are released from the melting and holding furnace doors during the 20 minute charging period every three hours.
Construction commenced: October 21, 1999
Control Equipment: Particulate emissions are controlled by a baghouse system.

APPLICABLE REGULATIONS:

Regulation 401 KAR 59:010 applies to the particulate and visible emissions.

1. Operating Limitations:

None

2. Emission Limitations:

- a. Particulate emissions shall not exceed the limit calculated by the following formula [401 KAR 59:010, Section 3(2)]:

$$E = 3.59 P^{0.62}$$

P = Process weight in tons per hour

E = Emission rate in pounds per hour

- b. Visible emissions shall not exceed 20% opacity [401 KAR 59:010, Section 3(2)].

Compliance Demonstration Method:

- a. Opacity Limits: See the **Specific Monitoring, Recordkeeping, and Reporting Requirements**, below.

- b. Particulate emissions (lbs/hr)

$$= [(\text{Monthly raw material usage rate} \times \text{Emission factor listed in Kentucky Emissions Inventory}) / \text{Hours of operation per month}]$$

3. Testing Requirements:

- a. In order to demonstrate compliance with PM and HAP limits, the permittee shall perform stack testing in accordance with 401 KAR 59:005, Section 2(2), 401 KAR 50:045, Section 1, for determination of PM and HCl emissions, once during the permit term.
- b. See Section D.

4. Specific Monitoring Requirements:

- a. The permittee shall perform daily qualitative visible emission observation on the baghouse system.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

- b. The permittee shall perform a Method 9 test for opacity on the applicable Main Bag Filter within 24 hours of observing visible emissions during any Qualitative observation [401 KAR 59:010 (4)(5)].
 - c. To provide reasonable assurance that the PM and HAP emission limitations are being met, the permittee shall monitor the daily amount of process materials added and daily hours of operation.
 - d. Refer to Section F for specific and/or general monitoring requirements.
- 5. **Specific Recordkeeping Requirements:**
 - a. The permittee shall maintain a log of the dates and times of each qualitative visible emission observation and each Method 9 test and either the results of the test, or reasons for not performing a Method 9 test.
 - b. Refer to Section F for specific and/or general recordkeeping requirements.
 - c. See Specific Monitoring Requirements above.
- 6. **Specific Reporting Requirements:**

Any exceedance of the opacity, PM, or HAP emission limitations as stated in this permit shall be reported to the Division as specified in Section F(6) of this permit.
- 7. **Specific Control Equipment Operating Conditions:**

The fabric filter unit shall be inspected and tested for proper operation annually. Preventative maintenance shall be performed in accordance with good manufacturing practices.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

05 (06) Dross Handling

Description: Includes Roll off Box, Dross Pan, Dross Cooling Pad, Dross Press, and Waste Storage Building.

Construction commenced: October 21, 1999

Control Equipment: Particulate emissions are controlled by a baghouse system.

APPLICABLE REGULATIONS:

Regulation 401 KAR 59:010 applies to the particulate and visible emissions.

1. Operating Limitations:

- a. The annual process rate of aluminum dross from each emissions point shall not exceed 6,000 tons/12-month rolling average – Self-imposed to preclude 401 KAR 51:017, Prevention of significant deterioration of air quality, major source classification pursuant to 401 KAR 52:020, and major source requirements of 40 CFR 63 Subpart RRR.

2. Emission Limitations:

- a. Particulate emissions shall not exceed the limit calculated by the following formula [401 KAR 59:010, Section 3(2)]:

$$E = 3.59 P^{0.62}$$

P = Process weight in tons per hour

E = Emission rate in pounds per hour

- b. Visible emissions shall not exceed 20% opacity [401 KAR 59:010, Section 3(2)].

Compliance Demonstration Method:

- a. Opacity Limits: See the **Specific Monitoring, Recordkeeping, and Reporting Requirements**, below.

- b. Particulate emissions (lbs/hr)

$$= [(\text{Monthly raw material usage rate} \times \text{Emission factor listed in Kentucky Emissions Inventory}) / \text{Hours of operation per month}]$$

3. Testing Requirements:

- a. In order to demonstrate compliance with PM and HAP limits, the permittee shall perform stack testing in accordance with 401 KAR 59:005, Section 2(2), 401 KAR 50:045, Section 1, for determination of PM and HCl emissions, once during the permit term.
- b. See Section D.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

4. Specific Monitoring Requirements:

- a. The permittee shall perform daily qualitative visible emission observation on the baghouse system.
- b. The permittee shall perform a Method 9 test for opacity on the applicable Main Bag Filter within 24 hours of observing visible emissions during any Qualitative observation[401 KAR 59:010 (4)(5)].
- c. To provide reasonable assurance that the PM emission limitations are being met, the permittee shall monitor the daily amount of process materials added and daily hours of operation.
- d. Refer to Section F for specific and/or general monitoring requirements.

5. Specific Recordkeeping Requirements:

- a. The permittee shall maintain a log of the dates and times of each qualitative visible emission observation and each Method 9 test and either the results of the test, or reasons for not performing a Method 9 test.
- b. Refer to Section F for specific and/or general recordkeeping requirements.
- c. See Specific Monitoring Requirements above.

6. Specific Reporting Requirements:

Any exceedance of the opacity, PM, HAP emission limitations as stated in this permit shall be reported to the Division as specified in Section F(6) of this permit.

7. Specific Control Equipment Operating Conditions:

The fabric filter unit shall be inspected and tested for proper operation annually. Preventative maintenance shall be performed in accordance with good manufacturing practices.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

06 (-) Raw Material Handling and Charging.

Description: Includes aluminum handling equipment used to unload, move, and charge high-density, high-quality aluminum scrap.
Construction commenced: October 21, 1999
Control Equipment: None.

APPLICABLE REGULATIONS:

Regulation 401 KAR 63:010 applies to fugitive emissions.

1. Operating Limitations:

- a. The annual aluminum scrap handling and charging rate for emission point 06(-) shall not exceed 130,000 tons/12-month rolling total – Self-imposed to preclude applicability of 401 KAR 51:017, major source classification pursuant to 401 KAR 52:020 and major source requirements of 40 CFR 63 Subpart RRR.
- b. Pursuant to Regulation 401 KAR 63:010, Section 3, reasonable precautions shall be taken to prevent particulate matter from becoming airborne. Such reasonable precautions shall include, when applicable, but not be limited to the following:
 - i. Application and maintenance of asphalt, application of water, or suitable chemicals on roads, material stockpiles, and other surfaces which can create airborne dusts;
 - ii. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials, or the use of water sprays or other measures to suppress the dust emissions during handling.
- c. Pursuant to Regulation 401 KAR 63:010, Section 3, discharge of visible fugitive dust emissions beyond the property line is prohibited.

2. Emission Limitations:

Refer to Section D.

3. Testing Requirements:

None

4. Specific Monitoring Requirements:

- a. To provide reasonable assurance that the PM emission limitations are being met, the permittee shall monitor the daily amount of process materials added and daily hours of operation.
- b. Refer to Section F for specific and/or general monitoring requirements.
- c. The permittee shall on a daily basis inspect fugitive emission sources and take reasonable precautions as included under Operating Limitations above.
- d. The permittee shall monitor monthly scrap handling and charging rate and use it to calculate 12-month rolling total.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

- a. Records of the daily amount of all process materials added, and daily hours of operation shall be maintained.
- b. Refer to Section F for specific and/or general recordkeeping requirements.
- c. The permittee shall maintain a log of daily work practices which are done to prevent fugitive emissions.

6. Specific Reporting Requirements:

Any exceedance of the PM emission limitations as stated in this permit shall be reported to the Division as specified in Section F(6) of this permit.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

08 (-) Degassing Filter Station

Description: Hycast, I-60 SIR Degassing Filter Station performs non-reactive fluxing using argon.
Construction commenced: October 21, 1999
Control Equipment: None.

APPLICABLE REGULATIONS:

- a. Regulation 401 KAR 63:010 applies to fugitive emissions.
- b. Regulation 401 KAR 63:002 Section 3(eee) (40 CFR 63 Subpart RRR) applies to the type of flux.

1. Operating Limitations:

- a. Pursuant to Regulation 401 KAR 63:010, Section 3, reasonable precautions shall be taken to prevent particulate matter from becoming airborne. Such reasonable precautions shall include, when applicable, but not be limited to the following:
 - i. Application and maintenance of asphalt, application of water, or suitable chemicals on roads, material stockpiles, and other surfaces which can create airborne dusts;
 - ii. Installation and use of hoods, fans, and fabric filters to enclose and vent the handling of dusty materials, or the use of water sprays or other measures to suppress the dust emissions during handling.
- b. Pursuant to Regulation 401 KAR 63:010, Section 3, discharge of visible fugitive dust emissions beyond the property line is prohibited.
- c. The permittee shall perform non-reactive fluxing only – Self-imposed to preclude the applicability of 40 CFR 63.1505(j).

2. Emission Limitations:

Refer to Section D.

3. Testing Requirements:

None.

4. Specific Monitoring Requirements:

- a. Pursuant to 40 CFR 63.1510(m), the owner or operator of an in-line fluxer that used no reactive flux materials must submit a certification of compliance with the operational standard for no reactive flux materials in §63.1506(l) for each 6-month reporting period. Each certification must contain information in §63.1516(b)(2)(vi).
- b. Refer to Section F for specific and/or general monitoring requirements.
- c. The permittee shall on a daily basis inspect fugitive emission sources and take reasonable precautions as included under Operating Limitations above.
- d. The permittee shall monitor monthly scrap handling and charging rate and use it to calculate 12-month rolling total.

SECTION B - EMISSION POINTS, EMISSION UNITS, APPLICABLE REGULATIONS, AND OPERATING CONDITIONS (CONTINUED)

5. Specific Recordkeeping Requirements:

- a. Records of the daily amount of all process materials added, and daily hours of operation shall be maintained.
- b. Refer to Section F for specific and/or general recordkeeping requirements.
- c. The permittee shall maintain a log of daily work practices which are done to prevent fugitive emissions.

6. Specific Reporting Requirements:

- a. Pursuant to 40 CFR 63.1516(b)(2)(vi) each report must include the certification for each in-line fluxer using no reactive flux: "Only nonreactive, non-HAP-containing, non-HAP-generating flux gases, agents, or materials were used at any time during this reporting period."
- b. Pursuant to 40 CFR 63.1517(b)(11), in addition to the general records required by §63.10(b), the owner or operator must maintain records of operating logs for each in-line fluxer using no reactive flux materials documenting each flux gas, agent or material used during each operating cycle.

SECTION C - INSIGNIFICANT ACTIVITIES

The following listed activities have been determined to be insignificant activities for this source pursuant to 401 KAR 52:030, Section 6. While these activities are designated as insignificant the permittee must comply with the applicable regulation and some minimal level of periodic monitoring may be necessary.

<u>Description</u>	<u>Generally Applicable Regulation</u>
1. Emission Point 07: Plant roadways and vehicular traffic	401 KAR 63:010
2. Emission Point 09: Vertical direct chill caster	401 KAR 59:010
3. Emission Point 10: 3 Billet coolers	401 KAR 59:010
4. Emission Point 11: Billet saw (enclosed wet operation)	401 KAR 59:010
5. Emission Point 13: 3 small space heaters < 1.0 mmBtu/hr each	NONE
6. Emission Point 12: Briquette press.	401 KAR 59:010
7. One 2000 gallon diesel storage tank	NONE
8. One 300 gallon kerosene tank	NONE
9. Cooling Tower	401 KAR 59:010

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS

1. As required by Section 1b of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10, compliance with annual emissions and processing limitations contained in this permit, shall be based on emissions and processing rates for any twelve (12) consecutive months.
2. *Particulate, dioxin/furan, and HAP* emissions, as measured by methods referenced in 401 KAR 50:015, Section 1, shall not exceed the respective limitations specified herein.
3. Source-wide emission of particulate matter, CO, and VOC shall not exceed 90 tons per year. Source wide individual HAP (HCl) emissions shall not exceed 9 tons per year and combined HAP emissions shall not exceed 22.5 tons per year.
4. To preclude 401 KAR 51:017 PSD, major source classification per 401 KAR 52:020, and major source requirements of 40 CFR 63 Subpart RRR, the permittee shall provide reasonable assurance that the particulate emission limitation is met by monitoring the amount of process materials added. The hourly average process weight shall be equal to the daily total process weight averaged over the hours of operation per day

Compliance with source-wide PM limitation will be determined by calculating the monthly emissions in tons per month (as follows) then adding that value to the previous 11 month emissions total to calculate the emissions in tons per year:

EP 01 Aluminum Reverberatory Melting Furnace

PM emissions (tons/month) = {[(Monthly total process weight (tons/month)) x (KYEIS scrap PM emission factor (0.16 lb/ton))]} + [(Monthly total natural gas usage rate (mmcf/month)) x (KYEIS natural gas PM emission factor (7.6 lb/mmcf))] / 2000 lb/ton.

EP 02 Aluminum Holding Furnace

PM emissions (tons/month) = {[(Monthly total process weight (tons/month)) x (KYEIS scrap PM emission factor (0.16 lb/ton))]} + [(Monthly total natural gas usage rate (mmcf/month)) x (KYEIS natural gas PM emission factor (7.6 lb/mmcf))] / 2000 lb/ton.

SECTION D - SOURCE EMISSION LIMITATIONS AND TESTING REQUIREMENTS (Continued)

EP 03 Three Homogenizing Furnaces

PM emissions (tons/month) = {[(Monthly total natural gas usage rate (mmcf/month)) x (KYEIS natural gas PM emission factor (7.6 lb/mmcf))]} 2000 lb/ton.

EP 04 Melting and Holding Furnace Doors

PM emissions (tons/month) = {[(Monthly total process weight (tons/month)) x (KYEIS scrap PM emission factor (0.05 lb /ton))]} 2000 lb/ton.

EP 05 Dross Handling

PM emissions (tons/month) = {[(Monthly total process weight (tons/month)) x (KYEIS scrap PM emission factor (1.7 lb /ton))]} 2000 lb/ton.

EP 06 Raw Material Handling

PM emissions (tons/month) = {[(Monthly total process weight (tons/month)) x (KYEIS scrap PM emission factor (0.105 lb /ton))]} 2000 lb/ton.

EP 08 Degassing Filter Station

PM emissions (tons/month) = {[(Monthly total process weight (tons/month)) x (KYEIS scrap PM emission factor (0.06 lb /ton))]} 2000 lb/ton.

5. To preclude major source classification per 401 KAR 52:020 and major source requirements of 40 CFR 63 Subpart RRR, the permittee shall provide reasonable assurance that the HCl emission limitation is met by monitoring the amount of process materials added.

Compliance with source-wide HAP limitation for HCl will be determined by adding the tons per month emission rate from each emission unit. The emissions shall be calculated on a monthly basis and shall be used to calculate the annual emission rate.

EP 01 Aluminum Reverberatory Melting Furnace

HCL emissions (tons/month) = {[(Monthly total process weight (tons/month)) x (KYEIS scrap HCl emission factor (0.041 lb /ton))]} / 2000 lb/ton

EP 02 Aluminum Holding Furnace

HCL emissions (tons/month) = {[(Monthly total process weight (tons/month)) x (KYEIS scrap HCl emission factor (0.000142 lb/ton))]} / 2000 lb/ton.

EP 04 Melting and Holding Furnace Doors

HCL emissions (tons/month) = {[(Monthly total process weight (tons/month)) x (KYEIS scrap HCl emission factor (0.0015 lb /ton))]} 2000 lb/ton.

SECTION E - SOURCE CONTROL EQUIPMENT REQUIREMENTS

1. Pursuant to 401 KAR 50:055, Section 2(5), at all times, including periods of startup, shutdown and malfunction, owners and operators shall, to the extent practicable, maintain and operate any affected facility including associated air pollution control equipment in a manner consistent with good air pollution control practice for minimizing emissions. Determination of whether acceptable operating and maintenance procedures are being used will be based on information available to the Division which may include, but is not limited to, monitoring results, opacity observations, review of operating and maintenance procedures, and inspection of the source.
2. The fabric filter unit associated with EP 04(6) Melting and Holding Furnace doors and EP 05 (6) Dross Handling shall be inspected and tested for proper operation annually. Preventative maintenance shall be performed in accordance with good manufacturing practices.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS

1. Pursuant to Section 1b (IV)(1) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10, when continuing compliance is demonstrated by periodic testing or instrumental monitoring, the permittee shall compile records of required monitoring information that include:
 - a. Date, place (as defined in this permit), and time of sampling or measurements;
 - b. Analyses performance dates;
 - c. Company or entity that performed analyses;
 - d. Analytical techniques or methods used;
 - e. Analyses results; and
 - f. Operating conditions during time of sampling or measurement.
2. Records of all required monitoring data and support information, including calibrations, maintenance records, and original strip chart recordings, and copies of all reports required by the Division for Air Quality, shall be retained by the permittee for a period of five years and shall be made available for inspection upon request by any duly authorized representative of the Division for Air Quality [401 KAR 52:030 Section 3(1)(f)1a and Section 1a (7) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
3. In accordance with the requirements of 401 KAR 52:030 Section 3(1)f the permittee shall allow authorized representatives of the Cabinet to perform the following during reasonable times:
 - a. Enter upon the premises to inspect any facility, equipment (including air pollution control equipment), practice, or operation;
 - b. To access and copy any records required by the permit;
 - c. Sample or monitor, at reasonable times, substances or parameters to assure compliance with the permit or any applicable requirements.Reasonable times are defined as during all hours of operation, during normal office hours; or during an emergency.
4. No person shall obstruct, hamper, or interfere with any Cabinet employee or authorized representative while in the process of carrying out official duties. Refusal of entry or access may constitute grounds for permit revocation and assessment of civil penalties.
5. Summary reports of any monitoring required by this permit shall be submitted to the Regional Office listed on the front of this permit at least every six (6) months during the life of this permit, unless otherwise stated in this permit. For emission units that were still under construction or which had not commenced operation at the end of the 6-month period covered by the report and are subject to monitoring requirements in this permit, the report shall indicate that no monitoring was performed during the previous six months because the emission unit was not in operation.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

6. The semi-annual reports are due by January 30th and July 30th of each year. All reports shall be certified by a responsible official pursuant to 401 KAR 52:030 Section 22. If continuous emission and opacity monitors are required by regulation or this permit, data shall be reported in accordance with the requirements of 401 KAR 59:005, General Provisions, Section 3(3). All deviations from permit requirements shall be clearly identified in the reports.
7. In accordance with the provisions of 401 KAR 50:055, Section 1 the owner or operator shall notify the Regional Office listed on the front of this permit concerning startups, shutdowns, or malfunctions as follows:
 - a. When emissions during any planned shutdowns and ensuing startups will exceed the standards, notification shall be made no later than three (3) days before the planned shutdown, or immediately following the decision to shut down, if the shutdown is due to events which could not have been foreseen three (3) days before the shutdown.
 - b. When emissions due to malfunctions, unplanned shutdowns and ensuing startups are or may be in excess of the standards, notification shall be made as promptly as possible by telephone (or other electronic media) and shall be submitted in writing upon request.
8. The owner or operator shall report emission related exceedances from permit requirements including those attributed to upset conditions (other than emission exceedances covered by Section F.7. above) to the Regional Office listed on the front of this permit within 30 days. Deviations from permit requirements, including those previously reported under F.7 above, shall *be included in the semiannual report required by F.6* [Section 1b V(3) and (4) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 10].
9. Pursuant to 401KAR 52:030, Section 21, the permittee shall annually certify compliance with the terms and conditions contained in this permit by completing and returning a Compliance Certification Form (DEP 7007CC) (or an alternative approved by the regional office) to the Regional Office listed on the front of this permit in accordance with the following requirements:
 - a. Identification of each term or condition;
 - b. Compliance status of each term or condition of the permit;
 - c. Whether compliance was continuous or intermittent;
 - d. The method used for determining the compliance status for the source, currently and over the reporting period.
 - e. For an emissions unit that was still under construction or which has not commenced operation at the end of the 12-month period covered by the annual compliance certification, the permittee shall indicate that the unit is under construction and that compliance with any applicable requirements will be demonstrated within the timeframes specified in the permit.

SECTION F - MONITORING, RECORDKEEPING, AND REPORTING REQUIREMENTS (CONTINUED)

- f. The certification shall be postmarked by January 30th of each year. Annual compliance certifications shall be mailed to the following addresses:

Division for Air Quality	Division for Air Quality
Owensboro Regional Office	Central Files
3032 Alvey Park Drive W	803 Schenkel Lane
Owensboro, KY 42303	Frankfort, KY 40601

10. In accordance with 401KAR 52:030, Section 3(1)(d), the permittee shall provide the Division with all information necessary to determine its subject emissions within thirty (30) days of the date the KYEIS emission survey is mailed to the permittee. If a KYEIS emission survey is not mailed to the permittee, then the permittee shall comply with all other emission reporting requirements in this permit.
11. Results of performance test(s) required by the permit shall be submitted to the Division by the source or its representative within forty-five days or sooner if required by an applicable standard, after the completion of the fieldwork.
12. The Cabinet may authorize the temporary use of an emission unit to replace a similar unit that is taken off-line for maintenance, if the following conditions are met:
- The owner or operator shall submit to the Cabinet, at least ten (10) days in advance of replacing a unit, the appropriate Forms DEP7007AI to DD that show:
 - The size and location of both the original and replacement units; and
 - Any resulting change in emissions;
 - The potential to emit (PTE) of the replacement unit shall not exceed that of the original unit by more than twenty-five (25) percent of a major source threshold, and the emissions from the unit shall not cause the source to exceed the emissions allowable under the permit;
 - The PTE of the replacement unit or the resulting PTE of the source shall not subject the source to a new applicable requirement;
 - The replacement unit shall comply with all applicable requirements; and
 - The source shall notify Regional office of all shutdowns and start-ups.
 - Within six (6) months after installing the replacement unit, the owner or operator shall:
 - Re-install the original unit and remove or dismantle the replacement unit; or
 - Submit an application to permit the replacement unit as a permanent change.

SECTION G - GENERAL PROVISIONS**1. General Compliance Requirements**

- a. The permittee shall comply with all conditions of this permit. A noncompliance shall be a violation of 401 KAR 52:030 Section 3(1)(b) and is also a violation of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act). Noncompliance with this permit is grounds for enforcement action including but not limited to the termination, revocation and reissuance, revision, or denial of a permit [Section 1a (2) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].
- b. The filing of a request by the permittee for any permit revision, revocation, reissuance, or termination, or of a notification of a planned change or anticipated noncompliance, shall not stay any permit condition [Section 1a (5) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].
- c. This permit may be revised, revoked, reopened and reissued, or terminated for cause in accordance with 401 KAR 52:030 Section 18. The permit will be reopened for cause and revised accordingly under the following circumstances:
 - (1) If additional applicable requirements become applicable to the source and the remaining permit term is three (3) years or longer. In this case, the reopening shall be completed no later than eighteen (18) months after promulgation of the applicable requirement. A reopening shall not be required if compliance with the applicable requirement is not required until after the date on which the permit is due to expire, unless this permit or any of its terms and conditions have been extended pursuant to 401 KAR 52:030 Section 12;
 - (2) The Cabinet or the U. S. EPA determines that the permit must be revised or revoked to assure compliance with the applicable requirements;
 - (3) The Cabinet or the U. S. EPA determines that the permit contains a material mistake or that inaccurate statements were made in establishing the emissions standards or other terms or conditions of the permit.

Proceedings to reopen and reissue a permit shall follow the same procedures as apply to initial permit issuance and shall affect only those parts of the permit for which cause to reopen exists. Reopenings shall be made as expeditiously as practicable. Reopenings shall not be initiated before a notice of intent to reopen is provided to the source by the Division, at least thirty (30) days in advance of the date the permit is to be reopened, except that the Division may provide a shorter time period in the case of an emergency.

- d. The permittee shall furnish information upon request of the Cabinet to determine if cause exists for modifying, revoking and reissuing, or terminating the permit; or to determine compliance with the conditions of this permit [Sections 1a (6) and (7) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].

SECTION G - GENERAL PROVISIONS (CONTINUED)

- e. The permittee, upon becoming aware that any relevant facts were omitted or incorrect information was submitted in the permit application, shall promptly submit such supplementary facts or corrected information to the permitting authority [401 KAR 52:030 Section 7(1)].
- f. Any condition or portion of this permit which becomes suspended or is ruled invalid as a result of any legal or other action shall not invalidate any other portion or condition of this permit [Section 1a (11) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].
- g. The permittee shall not use as a defense in an enforcement action the contention that it would have been necessary to halt or reduce the permitted activity in order to maintain compliance [Section 1a (3) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].
- h. Except for requirements identified in this permit as state-origin requirements, all terms and conditions shall be enforceable by the United States Environmental Protection Agency and citizens. [Section 1a (12)(b) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].
- i. This permit shall be subject to suspension if the permittee fails to pay all emissions fees within 90 days after the date of notice as specified in 401 KAR 50:038 Section 3(6) [Section 1a (9) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].
- j. Nothing in this permit shall alter or affect the liability of the permittee for any violation of applicable requirements prior to or at the time of permit issuance [401 KAR 52:030 Section 11(3)].
- k. This permit does not convey property rights or exclusive privileges [Section 1a (8) of the *Cabinet Provisions and Procedures for Issuing Federally-Enforceable Permits for Non-Major Sources* incorporated by reference in 401 KAR 52:030 Section 26].
- l. Issuance of this permit does not relieve the permittee from the responsibility of obtaining any other permits, licenses, or approvals required by the Cabinet or any other federal, state, or local agency.
- m. Nothing in this permit shall alter or affect the authority of U.S. EPA to obtain information pursuant to Federal Statute 42 USC 7414, Inspections, monitoring, and entry.
- n. Nothing in this permit shall alter or affect the authority of U.S. EPA to impose emergency orders pursuant to Federal Statute 42 USC 7603, Emergency orders.

SECTION G - GENERAL PROVISIONS (CONTINUED)

- o. This permit consolidates the authority of any previously issued PSD, NSR, or Synthetic minor source preconstruction permit terms and conditions for various emission units and incorporates all requirements of those existing permits into one single permit for this source.
- p. Permit Shield – A permit shield shall not protect the owner or operator from enforcement actions for violating an applicable requirement prior to or at the time of permit issuance. Compliance with the conditions of this permit shall be considered compliance with:
 - (1) Applicable requirements that are included and specifically identified in this permit; and
 - (2) Non-applicable requirements expressly identified in this permit.
- q. Emission units described in this permit shall demonstrate compliance with applicable requirements if requested by the Division [401 KAR 52:030 Section 3(1)(c)].
- r. The authority to operate granted through this permit shall cease to apply if the source fails to submit additional information requested by the Division after the completeness determination has been made on any application, by whatever deadline the Division sets [401 KAR 52:030 Section 8(2)].

2. Permit Expiration and Reapplication Requirements

This permit shall remain in effect for a fixed term of five (5) years following the original date of issue. Permit expiration shall terminate the source's right to operate unless a timely and complete renewal application has been submitted to the Division at least six months prior to the expiration date of the permit. Upon a timely and complete submittal, the authorization to operate within the terms and conditions of this permit, including any permit shield, shall remain in effect beyond the expiration date, until the renewal permit is issued or denied by the Division [401 KAR 52:030 Section 12].

3. Permit Revisions

- a. Minor permit revision procedures specified in 401 KAR 52:030 Section 14(3) may be used for permit revisions involving the use of economic incentive, marketable permit, emission trading, and other similar approaches, to the extent that these minor permit revision procedures are explicitly provided for in the SIP or in applicable requirements and meet the relevant requirements of 401 KAR 52:030 Section 14(2).
- b. This permit is not transferable by the permittee. Future owners and operators shall obtain a new permit from the Division for Air Quality. The new permit may be processed as an administrative amendment if no other change in this permit is necessary, and provided that a written agreement containing a specific date for transfer of permit responsibility coverage and liability between the current and new permittee has been submitted to the permitting authority within ten (10) days following the transfer.

SECTION G - GENERAL PROVISIONS (CONTINUED)

4. Construction, Start-Up, and Initial Compliance Demonstration Requirements

No construction authorized by this permit

5. Acid Rain Program Requirements

- a. If an applicable requirement of Federal Statute 42 USC 7401 through 7671q (the Clean Air Act) is more stringent than an applicable requirement promulgated pursuant to Federal Statute 42 USC 7651 through 7651o (Title IV of the Act), both provisions shall apply, and both shall be state and federally enforceable.

6. Emergency Provisions

- a. Pursuant to 401 KAR 52:030 Section 23(1), an emergency shall constitute an affirmative defense to an action brought for noncompliance with the technology-based emission limitations if the permittee demonstrates through properly signed contemporaneous operating logs or other relevant evidence that:
 - (1) An emergency occurred and the permittee can identify the cause of the emergency;
 - (2) The permitted facility was at the time being properly operated;
 - (3) During an emergency, the permittee took all reasonable steps to minimize levels of emissions that exceeded the emissions standards or other requirements in the permit; and,
 - (4) The permittee notified the Division as promptly as possible and submitted written notice of the emergency to the Division within two (2) working days of the time when emission limitations were exceeded due to an emergency. The notice shall include a description of the emergency, steps taken to mitigate emissions, and the corrective actions taken.
 - (5) Notification of the Division does not relieve the source of any other local, state or federal notification requirements.
- b. Emergency conditions listed in General Provision G(f)1 above are in addition to any emergency or upset provision(s) contained in an applicable requirement [401 KAR 52:030 Section 23(3)].
- c. In an enforcement proceeding, the permittee seeking to establish the occurrence of an emergency shall have the burden of proof [401 KAR 52:030 Section 23(2)].

7. Risk Management Provisions

- a. The permittee shall comply with all applicable requirements of 401 KAR Chapter 68, Chemical Accident Prevention, which incorporates by reference 40 CFR Part 68, Risk Management Plan provisions. If required, the permittee shall comply with the Risk Management Program and submit a Risk Management Plan to:

RMP Reporting Center
P.O. Box 1515
Lanham-Seabrook, MD 20703-1515.

- b. If requested, submit additional relevant information to the Division or the U.S. EPA.

SECTION G - GENERAL PROVISIONS (CONTINUED)

8. Ozone depleting substances

- a. The permittee shall comply with the standards for recycling and emissions reduction pursuant to 40 CFR 82, Subpart F, except as provided for Motor Vehicle Air Conditioners (MVACs) in Subpart B:
 - (1) Persons opening appliances for maintenance, service, repair, or disposal shall comply with the required practices contained in 40 CFR 82.156.
 - (2) Equipment used during the maintenance, service, repair, or disposal of appliances shall comply with the standards for recycling and recovery equipment contained in 40 CFR 82.158.
 - (3) Persons performing maintenance, service, repair, or disposal of appliances shall be certified by an approved technician certification program pursuant to 40 CFR 82.161.
 - (4) Persons disposing of small appliances, MVACs, and MVAC-like appliances (as defined at 40 CFR 82.152) shall comply with the recordkeeping requirements pursuant to 40 CFR 82.166.
 - (5) Persons owning commercial or industrial process refrigeration equipment shall comply with the leak repair requirements pursuant to 40 CFR 82.156.
 - (6) Owners/operators of appliances normally containing 50 or more pounds of refrigerant shall keep records of refrigerant purchased and added to such appliances pursuant to 40 CFR 82.166.
- b. If the permittee performs service on motor (fleet) vehicle air conditioners containing ozone-depleting substances, the source shall comply with all applicable requirements as specified in 40 CFR 82, Subpart B, *Servicing of Motor Vehicle Air Conditioners*.

SECTION H - ALTERNATE OPERATING SCENARIOS

N/A

SECTION I - COMPLIANCE SCHEDULE

N/A